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FIBER ORGANON

Volume 62, No. 5 ☐ May 1991

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Highlights

- 1990 Per Capita Consumption Review... begins on page 83.
- May 1991 Capacity Survey Analysis... begins on page 88.
- Canadian Mill Consumption... begins on page 97.

SHIPMENTS:

In April, total manufactured fiber shipments reached 745 million pounds, 13% above the 658 million pounds shipped in March and 2% below the 761 milllion pounds shipped in April 1990.

April shipments of synthetic (noncellulosic) filament yarn rose 13% to 362 million pounds and staple+tow rose 14% to 342 million pounds.

Contributing to the increase in shipments over the previous month were nylon carpet yarn up 26% or 17 million pounds, nylon staple+tow up 22% or 14 million pounds and polyester textile yarn up 12 million pounds or 18%.

Year-to-date domestic shipments of manufactured fiber are down 9% and exports are up 15%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991 APR	1991 MAR	% CHG 4/91 - 3/91	1990 APR	% CHG 4/91 - 4/90	YEAR TO DATE 1991	YEAR TO DATE 1990	% CHG YTD 1991 - 1990
ARTIFICIAL (CELLULOSIC)								
YARN	20.3	16.2	*+25.3*	18.1	*+12.2*	67.7	66.0	*+2.6*
RAYON STAPLE	21.4	22.1	*-3.2*	28.2	*-24.1*	80.1	109.9	*-27.1*
TOTAL ARTIFICIAL (CELL.)	**41.7**	**38.3**	***+8.9***	**46.3**	***-9.9***	**147.8**	**175.9**	***-16.0***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	27.9	26.5	*+5.3*	28.4	*-1.8*	111.7	112.0	*-0.3*
- CARPET	80.3	63.8	*+25.9*	85.6	*-6.2*	268.0	335.4	*-20.1*
- TEXTILE [a]	32.8	28.8	*+13.9*	32.0	*+2.5*	125.8	119.0	*+5.7*
POLYESTER - INDUSTRIAL	29.1	26.5	*+9.8*	32.9	*-11.6*	107.6	120.5	*-10.7*
- TEXTILE [a]	75.9	64.4	*+17.9*	69.8	*+8.7*	269.7	240.6	*+12.1*
OLEFIN	115.7	109.4	*+5.8*	124.2	*-6.8*	432.9	464.6	*-6.8*
TOTAL YARN	**361.7**	**319.4**	***+13.2***	**372.9**	***-3.0***	**1315.7**	**1392.1**	***-5.5***
STAPLE+TOW+FIBERFILL								
NYLON	78.1	64.1	*+21.8*	85.0	*-8.1*	263.7	334.7	*-21.2*
ACRYLIC+MODACRYLIC	34.2	35.5	*-3.7*	39.7	*-13.9*	141.0	163.0	*-13.5*
POLYESTER	191.7	166.1	*+15.4*	182.2	*+5.2*	686.0	700.1	*-2.0*
OLEFIN	37.6	34.6	*+8.7*	35.1	*+7.1*	137.8	135.1	*+2.0*
TOTAL STAPLE	**341.6**	**300.3**	***+13.8***	**342.0**	***-0.1***	**1228.5**	**1332.9**	***-7.8***
TOTAL SYNTHETIC (NONCELL.)	**703.3**	**619.7**	***+13.5***	**714.9**	***-1.6***	**2544.2**	**2725.0**	***-6.6***
TOTAL MANUFACTURED FIBER	**745.0**	**658.0**	***+13.2***	**761.2**	***-2.1***	**2692.0**	**2900.9**	***-7.2***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	702.5	612.7	*+14.7*	721.3	*-2.6*	2515.1	2747.6	*-8.5*
EXPORTS [c]	42.5	45.3	*-6.2*	39.9	*+6.5*	176.9	153.3	*+15.4*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

May 1991

Fiber Organon

A Monthly Review

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1990 PER CAPITA CONSUMPTION REVIEW

Per capita consumption of all fibers fell to 66.7 pounds in 1990, 2.2% below the 68.2 pounds recorded in 1989.

In 1990, per capita GNP grew 0.5% over 1989, while per capita manufactured fiber consumption fell 3.2%. Cotton per capita consumption decreased 1.6%, wool fell 7.7%, and other fibers (silk, linen, jute and sisal & other) rose 15.8%.

Since 1980, the U.S. population has grown 9.7%. At the same time, the per capita GNP has increased 18.8% (in constant 1982 dollars), while per capita consumption of all fibers rose 26.6%, manufactured fiber per capita consumption increased17.0%, wool rose 33.3%, and other fibers (silk, linen, jute and sisal & others) fell 37.1% (see Table 6).

TABLE & GRAPH SUMMARY

The tables and graphs contained in this review are described as follows:

Table 2: Per capita GNP derived by dividing the annual Gross National Product data by the population July 1st.

Table 3: Total U.S. domestic fiber consumption from the April ***Fiber Organon,*** page 69.

Table 4: Domestic consumption data in Table 3 divided by July 1st population data.

Table 5: Summary of total mill consumption of all fibers, except glass fiber.

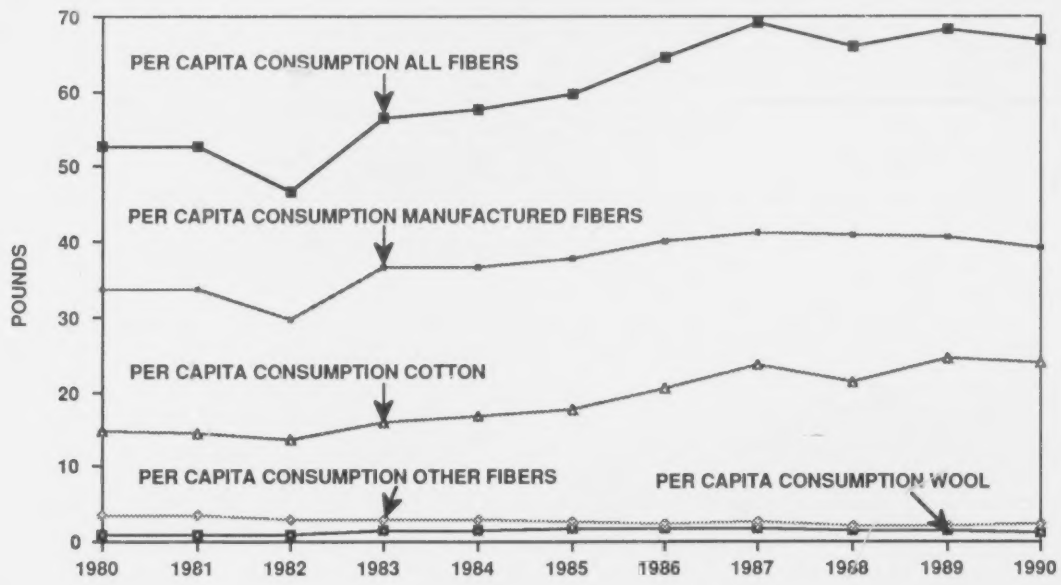
Table 6: Percentage change and relative growth over time of population, per capita GNP and per capita consumption of the various fibers.

Table 7: Listing of imports in per capita terms and their percentage growth over time for comparison with overall per capita domestic consumption.

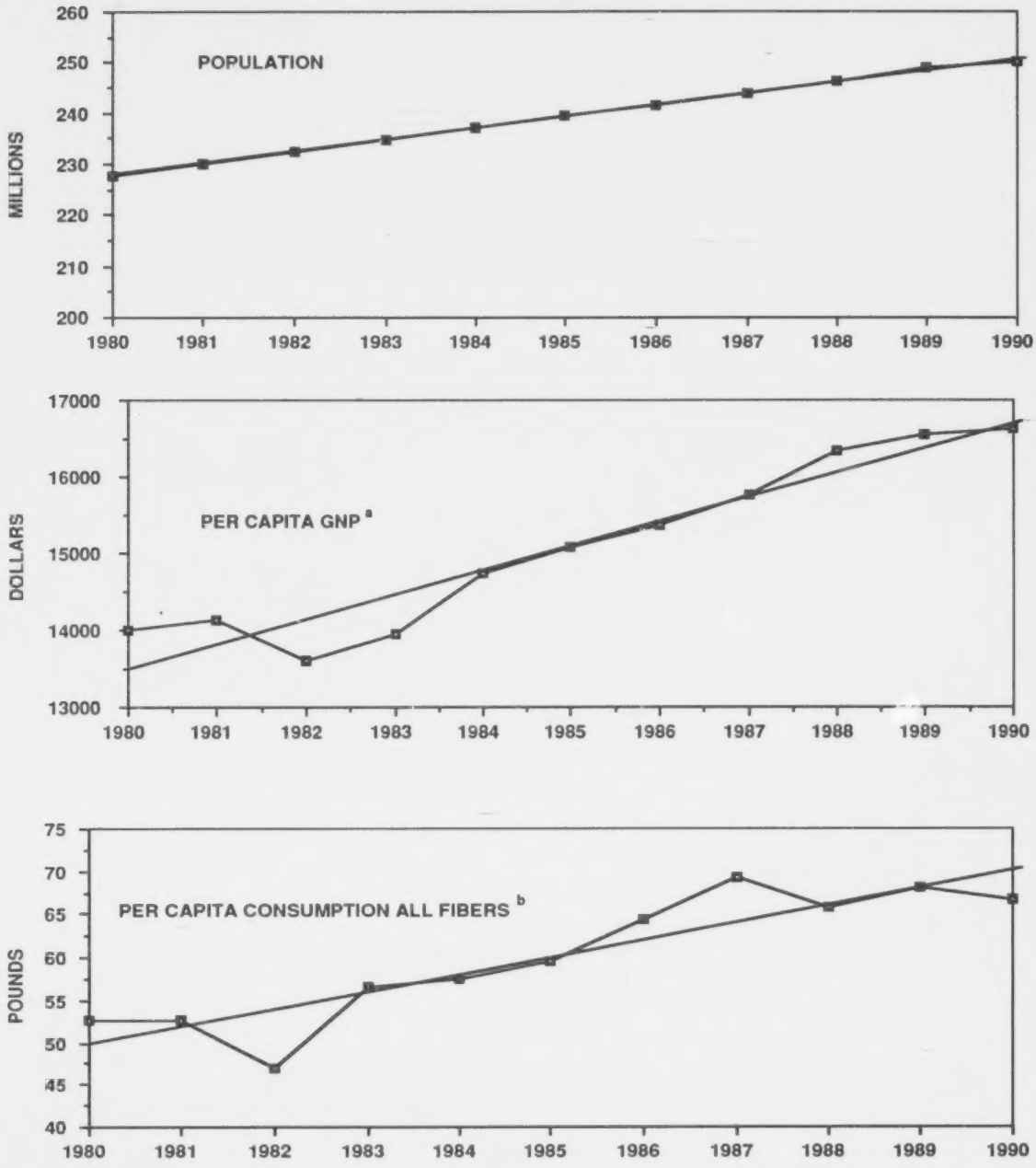
Graph 1: Per capita consumption of all fibers, based on the data in Table 4.

Graph 2: Growth in the population and trends in per capita GNP and per capita consumption of all fibers, as shown in Tables 2 and 4.

GRAPH 1:
PER CAPITA CONSUMPTION



GRAPH 2:
COMPARISON OF POPULATION, GNP & PER CAPITA CONSUMPTION OF ALL FIBERS



a. In 1982 dollars.
b. Data on Glass Fiber are no longer available to prevent company level disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 2:
U.S. POPULATION, GROSS NATIONAL PRODUCT & PER CAPITA GROSS NATIONAL PRODUCT

YEAR	POPULATION [a]	GNP [b]	PER CAPITA GNP [c]
1980	227.8	3187.1	13991
1981	230.1	3248.8	14119
1982	232.5	3166.0	13617
1983	234.8	3275.2	13949
1984	237.0	3492.0	14734
1985	239.3	3607.5	15075
1986	241.6	3713.3	15370
1987	243.9	3847.0	15773
1988	246.3	4024.4	16339
1989	248.8	4117.7	16550
1990	250.0	4156.3	16625

SOURCE: ***Current Population Reports***, U.S. Dept. of Commerce, Bureau of the Census.
Survey of Current Business, U.S. Dept. of Commerce, Bureau of Economic Analysis.

a. In millions. Population data for all years have been changed to that of July 1.
b. In billions of 1982 dollars.
c. In dollars.

TABLE 3:
U.S. TOTAL FIBER CONSUMPTION
MILLION POUNDS

YEAR	MFRD. FIBER [a]	COTTON	WOOL	OTHER FIBERS	TOTAL
1980	7654.8	3352.2	199.1	807.0	12013.1
1981	7722.9	3325.4	234.0	794.7	12077.0
1982	6912.9	3122.7	218.8	648.4	10902.8
1983	8603.2	3711.5	300.7	690.3	13305.7
1984	8644.2	3929.2	361.4	680.1	13614.9
1985	9027.4	4212.0	381.7	646.9	14268.0
1986	9637.6	4937.4	424.1	582.4	15581.5
1987	10075.2	5774.2	404.6	603.5	16857.5
1988	10068.5	5258.7	367.9	511.0	16206.1
1989	10089.6	6065.9	321.6	477.4	16954.5
1990	9837.0	6004.5	300.4	551.2	16693.1

a. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 4:
U.S. PER CAPITA FIBER CONSUMPTION [a]
POUNDS

		PER CAPITA				
PERIOD	POPULATION	MFRD. FIBER [b]	COTTON	WOOL	OTHER FIBERS	TOTAL
1980	227.8	33.6	14.7	0.9	3.5	52.7
1981	230.1	33.6	14.5	1.0	3.5	52.6
1982	232.5	29.7	13.4	0.9	2.8	46.8
1983	234.8	36.6	15.8	1.3	2.9	56.6
1984	237.0	36.5	16.6	1.5	2.9	57.5
1985	239.3	37.7	17.6	1.6	2.7	59.6
1986	241.6	39.9	20.4	1.8	2.4	64.5
1987	243.9	41.3	23.7	1.7	2.5	69.2
1988	246.3	40.9	21.4	1.5	2.1	65.9
1989	248.8	40.6	24.4	1.3	1.9	68.2
1990	250.0	39.3	24.0	1.2	2.2	66.7

a. Based on total U.S. domestic consumption (mill consumption plus imports less exports of semimanufactured and manufactured products).
b. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 5:
MILL CONSUMPTION BY FIBER
BILLION POUNDS

YEAR	RAYON	ACETATE [a]	NYLON [b]	POLYESTER	ACRYLIC [c]	OLEFIN	COTTON	WOOL	OTHER FIBERS	TOTAL
1980	0.5	0.3	2.3	3.5	0.6	0.7	3.1	0.1	0.1	11.2
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	0.1	10.7
1982	0.3	0.2	1.9	3.0	0.5	0.8	2.5	0.1	0.1	9.4
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	0.1	11.0
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	0.1	10.7
1985	0.5 [d]		2.6	3.1	0.5	1.4	2.8	0.1	0.1	11.1
1986	0.6 [d]		2.5	3.2	0.6	1.5	3.3	0.2	0.1	12.0
1987	0.6 [d]		2.7	3.5	0.5	1.6	3.7	0.2	0.1	12.9
1988	0.6 [d]		2.7	3.6	0.5	1.5	3.5	0.2	0.1	12.7
1989	0.6 [d]		2.6	3.6	0.5	1.7	4.0	0.1	0.1	13.2
1990	0.6 [d]		2.6	3.2	0.4	2.1	4.0	0.1	0.1	13.1

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

a. Includes triacetate. Cigarette tow is excluded.

b. Includes Aramid for all years except 1983-1990.

c. Includes modacrylic.

d. Rayon and acetate combined.

TABLE 6:
PERCENT ANALYSIS OF POPULATION, PER CAPITA GNP AND PER CAPITA CONSUMPTION OF MANUFACTURED FIBER, COTTON, WOOL & OTHER FIBERS

							PER CAPITA CONSUMPTION													
YEAR	POPULATION	% [a]	% [b]	PER CAPITA GNP	% [a]	% [b]	MANUFAC. FIBER [c]	% [a]	% [b]	COTTON	% [a]	% [b]	WOOL	% [a]	% [b]	OTHER FIBERS	% [a]	% [b]	ALL FIBERS	% [a]	% [b]
1980	227.8	--	--	13991	-	--	33.6	--	--	14.7	--	--	0.9	--	--	3.5	--	--	52.7	--	--
1981	230.1	*+1.0*	*+1.0*	14119	*+0.9*	*-0.9*	33.6	--	--	14.5	*-1.4*	*-1.4*	1.0	*+11.1*	*+11.1*	3.5	--	--	52.6	*-0.2*	*-0.2*
1982	232.5	*+1.0*	*+2.1*	13617	*-3.6*	*-2.7*	29.7	*-11.6*	*-11.6*	13.4	*-7.6*	*-8.8*	0.9	*-10.0*	--	2.8	*-20.0*	*-20.0*	46.8	*-11.0*	*-11.2*
1983	234.8	*+1.0*	*+3.1*	13949	*+2.4*	*-0.3*	36.6	*+23.2*	*+8.9*	15.8	*+17.9*	*+7.5*	1.3	*+44.4*	*+44.4*	2.9	*+3.6*	*-17.1*	56.6	*+20.9*	*+7.4*
1984	237.0	*+0.9*	*+4.0*	14734	*+5.6*	*+5.3*	36.5	*-0.3*	*+8.6*	16.6	*+5.1*	*+12.9*	1.5	*+15.4*	*+66.7*	2.9	--	*-17.1*	57.5	*+1.6*	*+9.1*
1985	239.3	*+1.0*	*+5.0*	15075	*+2.3*	*+7.7*	37.7	*+3.3*	*+12.2*	17.6	*+6.0*	*+19.7*	1.6	*+6.7*	*+77.8*	2.7	*-6.9*	*-22.9*	59.6	*+3.7*	*+13.1*
1986	241.6	*+1.0*	*+6.1*	15370	*+2.0*	*+9.9*	39.9	*+5.8*	*+18.7*	20.4	*+15.9*	*+38.8*	1.8	*+12.5*	*+100.0*	2.4	*-11.1*	*-31.4*	64.5	*+8.2*	*+22.4*
1987	243.9	*+1.0*	*+7.1*	15773	*+2.6*	*+12.7*	41.3	*+3.5*	*+22.9*	23.7	*+16.2*	*+61.2*	1.7	*-5.6*	*+88.9*	2.5	*+4.2*	*-28.6*	69.2	*+7.3*	*+31.3*
1988	246.3	*+1.0*	*+8.1*	16339	*+3.6*	*+16.8*	40.9	*-1.0*	*+21.7*	21.4	*-9.7*	*+45.6*	1.5	*-11.8*	*+66.7*	2.1	*-16.0*	*-40.0*	65.9	*-4.8*	*+25.0*
1989	248.8	*+1.0*	*+9.2*	16550	*+1.3*	*+18.3*	40.6	*-0.7*	*+20.8*	24.4	*+14.0*	*+66.0*	1.3	*-13.3*	*+44.4*	1.9	*-9.5*	*-45.7*	68.2	*+3.5*	*+29.4*
1990	250.0	*+0.5*	*+9.7*	16625	*+0.5*	*+18.8*	39.3	*-3.2*	*+17.0*	24.0	*-1.6*	*+63.3*	1.2	*-7.7*	*+33.3*	2.2	*+15.8*	*-37.1*	66.7	*-2.2*	*+26.6*

Population is in millions of people.
Per Capita GNP is 1982 dollars.
All other Per Capita Consumption data are in pounds.

All data are taken from the tables on page 85.

a. Percent change year to year.

b. Percent change since 1980.

c. Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 7:
PER CAPITA CONSUMPTION OF IMPORTS OF MANUFACTURED FIBER, COTTON & WOOL MANUFACTURES COMPARED WITH PER CAPITA TOTAL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL

POUNDS & *PERCENT*

	IMPORTS															DOMESTIC FIBER CONSUMPTION					
	MANUFACTURED FIBER					COTTON					WOOL										
YEAR	TOTAL	% [a]	APPAREL	% [a]	% [b]	TOTAL	% [a]	APPAREL	% [a]	% [b]	TOTAL	% [a]	APPAREL	% [a]	% [b]	MANU-FACTURED FIBER [c]	% [a]	COTTON	% [a]	WOOL	% [a]
1980	2.4		1.7		*70.8*	3.6		2.0		*55.6*	0.4		0.2		*50.0*	33.6		14.7		0.9	
1981	2.8	*+16.7*	1.9	*+11.8*	*67.9*	4.2	*+16.7*	2.2	*+10.0*	*52.4*	0.4	--	0.2	--	*50.0*	33.6	--	14.5	*-1.4*	1.0	*+11.1*
1982	3.0	*+7.1*	2.1	*+10.5*	*70.0*	3.9	*-7.1*	2.2	--	*56.4*	0.4	--	0.2	--	*50.0*	29.7	*-11.6*	13.4	*-7.6*	0.9	*-10.0*
1983	4.6	*+53.3*	2.5	*+19.0*	*54.3*	4.8	*+23.1*	2.7	*+22.7*	*56.3*	0.6	*+50.0*	0.3	*+50.0*	*50.0*	36.6	*+23.2*	15.8	*+17.9*	1.3	*+44.4*
1984	5.7	*+23.9*	2.9	*+16.0*	*50.9*	6.2	*+29.2*	3.2	*+18.5*	*51.6*	0.8	*+33.3*	0.3	--	*37.5*	36.5	*-0.3*	16.6	*+5.1*	1.5	*+15.4*
1985	5.8	*+1.8*	3.3	*+13.8*	*56.9*	6.7	*+8.1*	3.7	*+15.6*	*55.2*	1.0	*+25.0*	0.6	*+100.0*	*60.0*	37.7	*+3.3*	17.6	*+6.0*	1.6	*+6.7*
1986	7.0	*+20.7*	3.8	*+15.2*	*54.3*	7.9	*+17.9*	4.2	*+13.5*	*53.2*	1.1	*+10.0*	0.6	--	*54.5*	39.9	*+5.8*	20.4	*+15.9*	1.8	*+12.5*
1987	7.4	*+5.7*	4.2	*+10.5*	*56.8*	9.6	*+21.5*	5.2	*+23.8*	*54.2*	1.1	--	0.7	*+16.7*	*63.6*	41.3	*+3.5*	23.7	*+16.2*	1.7	*-5.6*
1988	7.0	*-5.4*	4.0	*-4.8*	*57.1*	8.6	*-10.4*	5.1	*-1.9*	*59.3*	1.0	*-9.1*	0.6	*-14.3*	*60.0*	40.9	*-1.0*	21.4	*-9.7*	1.5	*-11.8*
1989	*7.3	*+4.3*	*4.7	*+17.5*	*64.4*	*9.8	*+14.0*	*5.7	*+11.8*	*58.2*	*0.9	*-10.0*	*0.5	*-16.7*	*55.6*	40.6	*-0.7*	24.4	*+14.0*	1.3	*-13.3*
1990	*7.3	--	*4.8	*+2.1*	*65.8*	*10.0	*+2.0*	*6.1	*+7.0*	*61.0*	*0.8	*-11.1*	*0.5	--	*62.5*	39.3	*-3.2*	24.0	*-1.6*	1.2	*-7.7*

*** PRELIMINARY ESTIMATES DERIVED FROM DEPARTMENT OF COMMERCE DATA.**

-- No change.

a. Percent change from previous year.

b. Apparel as percent of total imports of semimanufactured and manufactured products.

c. Excludes Glass Fiber. Data on Glass Fiber is no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

MAY 1991 CAPACITY SURVEY ANALYSIS

U.S. Manufactured Fiber Capacity Utilization at 79%

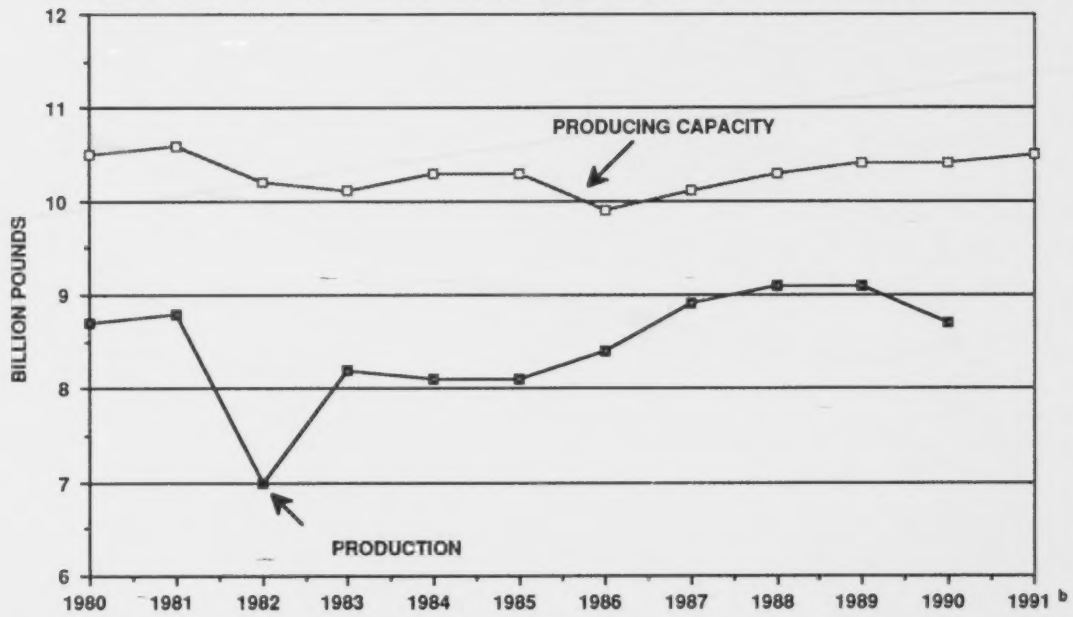
Based on yearly January - April production data and May 1991 Capacity Survey results, the capacity utilization rate for the U.S. manufactured fiber industry fell to 79% as compared to 84% in 1990 (Graph 3).

Total industry capacity (excluding glass fiber) rose to 10,474 million pounds, 1% above the 10,356 million pounds recorded in the November 1990 Survey.

Since November 1990, the synthetic (noncellulosic) filament yarn capacity rose from 5,126 million pounds to 5,175 million pounds, with a 2% gain in polyester textile yarn.

In 1991, capacity for synthetic (noncellulosic) staple+tow increased 1% to 4,749 million pounds from the 4,688 million pounds in November 1990 (Table 9). A major increase was shown in olefin staple+tow where the capacity rose from 520 million pounds in November 1990 to 546 million pounds in May 1991.

GRAPH 3:
MANUFACTURED FIBER INDUSTRY PRODUCTION & PRODUCING CAPACITY [a]



a. Artifical (Cellulosic) and Synthetic (Noncellulosic) fiber excluding glass fiber.
b. Based on May 1991 capacity survey.

TABLE 8:
U.S. MANUFACTURED FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

PERIOD	ARTIFICIAL (CELLULOSIC) FIBERS							SYNTHETIC (NONCELLULOSIC) FIBERS [a]			GRAND TOTAL MANUFACTURED FIBERS EXCLUDING GLASS FIBER			NON-ADD GLASS FIBER [d]
	FILAMENT YARN+MONOFIL			STAPLE+TOW										
	RAYON	ACETATE [b]	TOTAL	RAYON	ACETATE [b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	YARN +MONO [c]	STAPLE +TOW	TOTAL	
ACTUAL ANNUAL PRODUCTION														
1977	71	282	353	527	8	535	888	3674	3654	7328	4027	4189	8216	787
1978	62	301	363	535	7	542	905	3830	3953	7783	4193	4495	8688	923
1979	57	317	374	549	7	556	930	4155	4282	8437	4529	4838	9367	1014
1980	47	309	356	443	7	450	806	3744	4148	7892	4100	4598	8698	867
1981	48	257	305	461	4	465	770	3815	4191	8006	4120	4656	8776	1041
1982	33	195	228	355	1	356	584	3057	3403	6460	3285	3759	7044	899
1983	36	228	264	375	1	376	640	3568	3970	7538	3832	4346	8178	1169
1984	41	198	239	389	+	389	628	3525	3947	7472	3764	4336	8100	1394
1985			205 g			353 g	558	3790	3773	7563	3995	4126	8121	NA
1986			215 g			404 g	619	3836	3992	7828	4051	4396	8447	NA
1987			191 g			414 g	605	4010	4306	8316	4201	4720	8921	NA
1988			214 g			400 g	614	4180	4346	8526	4394	4746	9140	NA
1989			218 g			363 g	581	4225	4290	8515	4443	4653	9096	NA
1990			206 g			299 g	505	4194	3991	8185	4400	4290	8690	NA
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -														
NOV 1977 e	85	315	400	655	8	663	1063	4958	4394	9352	5358	5057	10415	1002
NOV 1978 e	83	330	413	665	8	673	1086	4984	4571	9555	5397	5244	10641	1118
NOV 1979 e	75	355	430	671	8	679	1109	5106	4678	9784	5536	5357	10893	1305
NOV 1980 e	63	324	387	514	8	522	909	4913	4714	9627	5300	5236	10536	1473
NOV 1981 e	52	332	384	509	5	514	898	4746	4950	9696	5130	5464	10594	1561
NOV 1982 e	63	318	381	510	4	514	895	4553	4781	9334	4934	5295	10229	1718
NOV 1983 e	63	268	331	510	4	514	845	4447	4827	9274	4778	5341	10119	1618
NOV 1984 e	63	268	331	510	4	514	845	4479	4981	9460	4810	5495	10305	1743
NOV 1985 e			269 g	510	5	515	784	4668	4890	9558	4937	5405	10342	1769
NOV 1986 e			244 g			465 g	709	4545	4662	9207	4789	5127	9916	1763
NOV 1987 e			244 g			465 g	709	4557	4793	9350	4801	5258	10059	1642
NOV 1988 e			244 g			469 g	713	4743	4849	9592	4987	5318	10305	1729
NOV 1989 e			232 g			492 g	724	4918	4755	9673	5150	5247	10397	1822
NOV 1990 e			219 g			323 g	542	5126	4688	9814	5345	5011	10356	1824
MAY 1991 e			225 g			325 g	550	5175	4749	9924	5400	5074	10474	1814
NOV 1991 f			225 g			325 g	550	5255	4809	10064	5480	5134	10614	1866
MAY 1992 f			219 g			325 g	544	5310	4814	10124	5529	5139	10668	1934
NOV 1992 f			219 g			325 g	544	5332	4855	10187	5551	5180	10731	1995
MAY 1993 f			219 g			325 g	544	5409	4855	10264	5628	5180	10808	2164

NA No longer available.

a. Included are those listed in the November ***Fiber Organon*** issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large quantities for cigarette filtration.

c. Grand Total Yarn means the yarn+mono shown, excluding glass fiber.

d. Glass fiber, all types.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of NOV 1991.

g. Detail withheld due to disclosure of company data.

TABLE 9:
SYNTHETIC (NONCELLULOSIC) FIBER CAPACITY DETAIL
MILLION POUNDS & *AVERAGE DENIER*

	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER											STAPLE, TOW & FIBERFILL					SYNTHETIC (NONCELLULOSIC) TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN [a]				NYLON + ARAMID	ACRYL +MOD ACRYL	POLY-ESTER	OLEFIN + VINYON [e]	TOTAL	
			TEXTILE			TEXTILE											
PERIOD	IND	CARP	LBS	DEN	IND	LBS	DEN	YARN	MONO [b]	FILM [b]	TOTAL						
NOV 1977 c	523	829	558	*55*	443	1698	*126*	173	336	398	4958	939	869	2470	116	4394	9352
NOV 1978 c	510	908	565	*53*	443	1643	*116*	174	347	394	4984	1023	865	2554	129	4571	9555
NOV 1979 c	513	950	579	*51*	443	1699	*114*	172	342	408	5106	1020	839	2673	146	4678	9784
NOV 1980 c	515	910	551	*52*	400	1637	*113*	120	350	430	4913	991	830	2759	134	4714	9627
NOV 1981 c	514	893	553	*49*	316	1481	*114*	178	356	455	4746	1010	835	2839	266	4950	9696
NOV 1982 c	474	925	513	*53*	338	1265	*119*	209	369	460	4553	978	832	2700	271	4781	9334
NOV 1983 c	440	907	494	*52*	337	1170	*122*	240	375	484	4447	1017	826	2704	280	4827	9274
NOV 1984 c	437	926	470	*57*	342	1162	*121*	270	386	486	4479	1054	807	2784	336	4981	9460
NOV 1985 c	437	965	466	*53*	374	1097	*126*	304	412	613	4668	1067	631	2785	407	4890	9558
NOV 1986 c	435	964	398	*51*	401	1021	*123*	286	407	633	4545	1077	637	2491	457	4662	9207
NOV 1987 c	418	1005	404	*49*	399	929	*121*	342	393	667	4557	1137	652	2522	482	4793	9350
NOV 1988 c	421	1053	423	*49*	408	968	*121*	392	399	679	4743	1137	642	2584	486	4849	9592
NOV 1989 c	420	1168	430	*48*	420	900	*115*	491	405	684	4918	1150	641	2464	500	4755	9673
NOV 1990 c	377	1197	450	*49*	433	908	*115*	579	501	681	5126	1144	446	2578	520	4688	9814
MAY 1991 c	377	1180	448	*48*	438	928	*120*	624	502	678	5175	1129	476	2598	546	4749	9924
NOV 1991 d	377	1180	443	*47*	465	939	*120*	660	513	678	5255	1139	491	2598	581	4809	10064
MAY 1992 d	377	1198	453	*47*	465	939	*120*	679	514	685	5310	1144	491	2598	581	4814	10124
NOV 1992 d	377	1198	458	*47*	470	939	*120*	687	518	685	5332	1144	491	2618	602	4855	10187
MAY 1993 d	377	1238	468	*47*	475	939	*120*	709	518	685	5409	1144	491	2618	602	4855	10264

NOTE: As of the November 1983 survey, nylon capacity data no longer include Aramid Fiber.

IND Industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more.

CARP Bulked continuous filament yarn for carpets.

TEXTILE Yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Actual producing capacity as of date shown.

d. Future producing capacity planned for certain dates as of NOV 1991.

e. Data since November 1986 do not include Vinyon.

NOTE: THE INCREASE IN CAPACITY FOR OLEFIN YARN, MONOFILAMENT AND FILM FIBER IS DUE TO A MORE THOROUGH RESPONSE AND NOT BECAUSE OF ADDITIONAL CAPACITY COMING ON STREAM.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the table above cover the manufactured fibers in all their primary forms; i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. **Glass fiber data are no longer included with the filament yarn totals. The data were last published in the December 1984 issue.** The "capacity" to produce waste is **not** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is **emphasized** that all figures refer to ***current*** and ***planned*** capacity. **They are not to be interpreted as a production forecast.**

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. Equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. The capacity data reflect ***potential***, rather than ***operating*** capacity.

TABLE 10:
U.S. TEXTILE IMPORTS, EXPORTS & BALANCE OF FIBER & MANUFACTURES
MILLION U.S. DOLLARS

ITEM	1988	1989	1990
IMPORTS			
SEMIMANUFACTURED PRODUCTS			
YARN, FIBERS [a]	538.4	504.7	466.1
CLOTH [b]	2686.3	2893.7	3034.7
SUBTOTAL	**3224.7**	**3398.4**	**3500.8**
MANUFACTURED PRODUCTS			
WEARING APPAREL [c]	18183.8	21046.8	21930.2
HOME TEXTILES	997.9	1055.7	1086.9
OTHER TEXTILES	1132.8	1248.8	1407.9
SUBTOTAL	**20314.5**	**23351.3**	**24425.0**
TOTAL IMPORTS	**23539.2**	**26749.7**	**27925.8**
EXPORTS			
SEMIMANUFACTURED PRODUCTS			
YARN, FIBERS [a]	721.3	628.5	760.3
CLOTH [b]	1998.5	2145.9	2711.9
SUBTOTAL	**2719.8**	**2774.4**	**3472.2**
MANUFACTURED PRODUCTS			
WEARING APPAREL [c]	1314.9	1811.2	2239.5
HOME TEXTILES	533.5	604.5	826.4
OTHER TEXTILES	289.2	236.5	251.5
SUBTOTAL	**2137.6**	**2652.2**	**3317.4**
TOTAL EXPORTS	**4857.4**	**5426.6**	**6789.6**
BALANCE			
SEMIMANUFACTURED PRODUCTS			
YARN, FIBERS [a]	182.9	123.8	294.2
CLOTH [b]	(687.8)	(747.8)	(322.8)
SUBTOTAL	**(504.9)**	**(624.0)**	**(28.6)**
MANUFACTURED PRODUCTS			
WEARING APPAREL [c]	(16868.9)	(19235.6)	(19690.7)
HOME TEXTILES	(464.4)	(451.2)	(260.5)
OTHER TEXTILES	(843.6)	(1012.3)	(1156.4)
SUBTOTAL	**(18176.9)**	**(20699.1)**	**(21107.6)**
TOTAL BALANCE	**(18681.8)**	**(21323.1)**	**(21136.2)**

SOURCE: U.S. Department of Commerce, Census Bureau, Foreign Trade Statistical Database.

( ) Trade deficit.
a. Includes raw cotton.
b. Includes regular, specialized and knit fabrics.
c. Includes woven and knit apparel.

TABLE 11:
U.S. IMPORTS OF WOVEN AND KNIT APPAREL FROM ALL SOURCES
THOUSAND UNITS

ITEM	1988	1989	1990
HANDKERCHIEFS	74,987	67,508	58,900
GLOVES & MITTENS	355,645	368,405	373,379
HOSIERY	146,067	159,568	174,848
SUIT-TYPE COATS, MB	8,728	7,473	6,433
OTHER COATS, MB	66,337	63,921	71,209
COATS, WGI	86,011	78,703	98,884
DRESSES	69,268	76,232	78,701
KNIT SHIRTS, MB	284,027	348,482	341,519
K-SHIRTS & BLOUSES, WGI	410,238	526,036	549,171
WOVEN SHIRTS, MB	322,159	331,311	309,494
WOVEN SHIRTS & BLOU., WGI	246,192	259,301	256,720
SKIRTS	93,832	85,596	87,967
SUITS, MB	5,176	5,252	4,286
SUITS, WGI	7,307	5,203	5,405
SWEATERS	143,059	193,750	158,213
SWEATERS, WGI	120,498	113,519	65,891
TROUSERS & SHORTS, MB	310,634	370,100	376,528
TROUSERS & SHORTS, WGI	340,900	409,402	413,628
BRASSIERES, ETC.	218,286	219,759	213,348
DRESSING GOWNS, ETC.	18,432	24,853	23,065
NIGHTWEAR & PAJAMAS	69,312	87,357	92,826
UNDERWEAR	367,852	450,724	508,330
DOWN-FILLED COATS, MB	2,934	4,293	3,940
DOWN-FILLED COATS, WGI	2,244	2,147	2,686
TOTAL	**3,770,125**	**4,258,895**	**4,275,371**

SOURCE: U.S. Department of Commerce, Census Bureau, Foreign Trade Statistical Database.

TABLE 12:
U.S. IMPORTS OF WOVEN AND KNIT APPAREL FROM CANADA
THOUSAND UNITS

ITEM	1988	1989	1990
HANDKERCHIEFS	2	0	5
GLOVES & MITTENS	746	480	285
HOSIERY	2,874	2,535	3,044
SUIT-TYPE COATS, MB	152	96	90
OTHER COATS, MB	283	178	233
COATS, WGI	2,634	4,767	6,755
DRESSES	221	398	396
KNIT SHIRTS, MB	1,775	1,540	1,094
K-SHIRTS & BLOUSES, WGI	2,244	1,821	2,693
WOVEN SHIRTS, MB	160	270	140
WOVEN SHIRTS & BLOU., WGI	427	301	239
SKIRTS	1,118	546	672
SUITS, MB	1,519	2,371	2,747
SUITS, WGI	484	50	56
SWEATERS	231	617	102
SWEATERS, WGI	57	40	64
TROUSERS & SHORTS, MB	1,448	910	1,544
TROUSERS & SHORTS, WGI	1,541	1,918	2,230
BRASSIERES, ETC.	542	427	484
DRESSING GOWNS, ETC.	47	57	79
NIGHTWEAR & PAJAMAS	103	125	31
UNDERWEAR	856	736	311
DOWN-FILLED COATS, MB	3	6	9
DOWN-FILLED COATS, WGI	1	3	+
TOTAL	**19,468**	**20,192**	**23,303**

SOURCE: U.S. Department of Commerce, Census Bureau, Foreign Trade Statistical Database.

TABLE 13:
CANADIAN TEXTILE IMPORTS, EXPORTS & BALANCE OF FIBER & MANUFACTURES
MILLION CANADIAN DOLLARS

ITEM	1988	1989	1990
IMPORTS			
SEMIMANUFACTURED PRODUCTS			
YARN, FIBERS [a]	775.2	789.9	674.4
CLOTH [b]	1455.6	1511.3	1464.9
SUBTOTAL	**2230.8**	**2301.2**	**2139.3**
MANUFACTURED PRODUCTS			
WEARING APPAREL [c]	2038.1	2198.0	2403.3
HOME TEXTILES	403.3	454.2	506.6
OTHER TEXTILES	240.7	248.7	250.6
SUBTOTAL	**2682.1**	**2900.9**	**3160.5**
TOTAL IMPORTS	**4912.9**	**5202.1**	**5299.8**
EXPORTS			
SEMIMANUFACTURED PRODUCTS			
YARN, FIBERS [a]	320.9	353.7	437.4
CLOTH [b]	308.5	285.8	323.7
SUBTOTAL	**629.4**	**639.5**	**761.1**
MANUFACTURED PRODUCTS			
WEARING APPAREL [c]	208.2	199.4	247.7
HOME TEXTILES	109.8	107.1	97.9
OTHER TEXTILES	90.1	83.8	124.2
SUBTOTAL	**408.1**	**390.3**	**469.8**
TOTAL EXPORTS	**1037.5**	**1029.8**	**1230.9**
BALANCE			
SEMIMANUFACTURED PRODUCTS			
YARN, FIBERS [a]	(454.3)	(436.2)	(237.0)
CLOTH [b]	(1147.1)	(1225.5)	(1141.2)
SUBTOTAL	**(1601.4)**	**(1661.7)**	**(1378.2)**
MANUFACTURED PRODUCTS			
WEARING APPAREL [c]	(1829.9)	(1998.6)	(2155.6)
HOME TEXTILES	(293.5)	(347.1)	(408.7)
OTHER TEXTILES	(150.6)	(164.9)	(126.4)
SUBTOTAL	**(2274.0)**	**(2510.6)**	**(2690.7)**
TOTAL BALANCE	**(3875.4)**	**(4172.3)**	**(4068.9)**

SOURCE: Canadian Textiles Institute, **Texdata TB4-91**, Issued March 5, 1991.

( ) Trade deficit.
a. Includes raw cotton.
b. Includes regular, specialized and knit fabrics.
c. Includes woven and knit apparel.

TABLE 14:
CANADIAN IMPORTS OF WOVEN APPAREL FROM ALL SOURCES
THOUSAND UNITS

ITEM	1988	1989	1990
OVERCOATS/ANORAKS	9,966	12,264	13,816
SUITS	1,074	990	1,043
ENSEMBLES	4,867	4,236	5,006
JACKETS/BLAZERS	3,049	2,468	2,103
TROUSERS/SHORTS	31,809	35,124	36,654
DRESSES	2,017	2,112	2,736
SKIRTS	3,468	2,672	2,851
SHIRTS, BLOUSES	39,616	39,388	43,019
UNDERPANTS/SLIPS	1,842	1,969	2,000
SLEEPWEAR/BATHROBES	7,244	8,919	8,610
SWIMWEAR	5,290	4,600	5,415
SKI SUITS	1,101	1,481	1,581
BABIES GARMENTS	5,051	5,492	9,828
OTHERS	2,986	4,512	5,954
TOTAL	**119,380**	**126,227**	**140,616**

SOURCE: Canadian Textiles Institute, **Texdata I6-91** (special), Issued March 6, 1991.

NOTE: Data does not include hosiery; gloves and mittens; scarves and shawls; ties; foundation garments; handkerchiefs and other clothing accessories.

TABLE 15:
CANADIAN IMPORTS OF KNIT APPAREL FROM ALL SOURCES
THOUSAND UNITS

ITEM	1988	1989	1990
OVERCOATS/ANORAKS	353	973	1,537
SUITS	136	77	63
ENSEMBLES	2,567	3,160	3,383
JACKETS/BLAZERS	351	284	298
TROUSERS/SHORTS	3,073	3,772	3,929
DRESSES	1,120	1,047	1,178
SKIRTS	1,549	831	702
SHIRTS, BLOUSES	14,733	13,576	12,196
T-SHIRTS	33,293	47,370	55,825
SWEATERS	40,138	39,950	36,472
UNDERPANTS/SLIPS	17,668	24,338	33,369
SLEEPWEAR/BATHROBES	3,449	3,283	4,416
SWIMWEAR	1,922	2,875	2,427
TRACK SUITS	3,119	2,946	3,287
SKI SUITS	5	5	3
BABIES GARMENTS	10,390	10,190	13,520
OTHERS	715	986	1,001
TOTAL	**134,581**	**155,663**	**173,606**

SOURCE: Canadian Textile Institute, **Texdata I6-91** (special), Issued March 6, 1991.

NOTE: Data does not include hosiery; gloves and mittens; scarves and shawls; ties; foundation garments; handkerchiefs and other clothing accessories.

TABLE 16:
CANADIAN IMPORTS OF WOVEN APPAREL FROM THE U.S.
THOUSAND UNITS

ITEM	1988	1989	1990
OVERCOATS/ANORAKS	126	246	499
SUITS	23	33	37
ENSEMBLES	81	79	75
JACKETS/BLAZERS	87	128	151
TROUSERS/SHORTS	685	1,070	1,404
DRESSES	169	253	301
SKIRTS	97	90	118
SHIRTS, BLOUSES	594	719	835
UNDERPANTS/SLIPS SLEEPWEAR/BATHROBES	282	390	778
SWIMWEAR	54	77	125
SKI SUITS	2	1	4
BABIES GARMENTS	182	616	595
OTHERS	254	377	589
TOTAL	**2,636**	**4,079**	**5,511**

SOURCE: Canadian Textiles Institute, **Texdata I6-91** (special), Issued March 6, 1991.

NOTE: Data does not include hosiery; gloves and mittens; scarves and shawls; ties; foundation garments; handkerchiefs and other clothing accessories.

TABLE 17:
CANADIAN IMPORTS OF KNIT APPAREL FROM THE U.S.
THOUSAND UNITS

ITEM	1988	1989	1990
OVERCOATS/ANORAKS	10	41	155
SUITS	5	5	6
ENSEMBLES	55	152	117
JACKETS/BLAZERS	14	17	18
TROUSERS/SHORTS	198	490	476
DRESSES	63	68	80
SKIRTS	16	36	35
SHIRTS, BLOUSES	741	565	484
T-SHIRTS	1,824	4,341	8,395
SWEATERS	749	2,745	1,488
UNDERPANTS/SLIPS	1,045	1,707	6,646
SLEEPWEAR/BATHROBES	585	460	651
SWIMWEAR	81	160	278
TRACK SUITS	30	16	48
SKI SUITS	N	N	N
BABIES GARMENTS	1,480	1,455	2,004
OTHERS	75	214	162
TOTAL	**6,971**	**12,472**	**21,043**

SOURCE: Canadian Textile Institute, **Texdata I6-91** (special), Issued March 6, 1991.

NOTE: Data does not include hosiery; gloves and mittens; scarves and shawls; ties; foundation garments; handkerchiefs and other clothing accessories.

N: Negligible.

TABLE 18:
CANADIAN MILL CONSUMPTION OF FIBER [a]
MILLION POUNDS

YEAR	MANUFACTURED FIBER [a]	COTTON	WOOL	TOTAL
1980	464.3	130.1	10.9	605.3
1981	387.9	132.3	15.0	535.2
1982	341.9	88.2	11.7	441.8
1983	424.3	121.3	14.7	560.3
1984	444.1	121.3	14.4	579.8
1985	472.9	105.8	16.1	594.8
1986	548.8	119.0	17.6	685.4
1987	551.2	94.8	15.3	661.3
1988	544.8	91.7	14.0	650.5
1989	488.3	90.2	14.2	592.7

a. Based on Canadian domestic fiber (mill consumption). See pages 98 - 99.

TABLE 19:
CANADIAN MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS
MILLION POUNDS & *PERCENT*

	MANUFACTURED FIBER MILL CONSUMPTION=PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)															
	ARTIFICIAL (CELLULOSIC) FIBER								SYNTHETIC (NONCELLULOSIC) FIBER							
	YARN+MONOFIL			STAPLE+TOW					YARN+MONOFIL			STAPLE+TOW				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	EXP	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	EXP	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1980	30.9	17.0	47.9	66.1	9.3	75.4	58.7	64.6	163.1	84.2	247.3	105.8	80.9	186.7	34.3	399.7
1981	29.7	17.2	46.9	62.1	4.0	66.1	54.7	58.3	145.3	59.5	204.8	96.8	92.8	189.6	64.8	329.6
1982	20.9	21.7	42.6	61.7	2.3	64.0	43.9	62.7	114.6	46.1	160.7	99.2	67.5	166.7	48.2	279.2
1983	22.0	24.3	46.3	66.1	4.1	70.2	56.5	60.0	130.6	99.0	229.6	116.9	86.3	203.2	68.5	364.3
1984	22.0	24.3	46.3	61.3	4.1	65.4	53.2	58.5	137.3	99.0	236.3	130.1	86.3	216.4	67.1	385.6
1985	17.6	25.2	42.8	59.3	4.9	64.2	54.1	52.9	165.6	115.1	280.7	119.9	89.9	209.8	70.5	420.0
1986	19.4	28.3	47.7	64.2	5.2	69.4	47.9	69.2	166.0	129.1	295.1	131.0	100.9	231.9	47.4	479.6
1987	18.7	25.4	44.1	62.8	4.5	67.3	60.5	50.9	157.6	143.1	300.7	128.3	101.3	229.6	30.0	500.3
1988	20.5	26.5	47.0	72.3	3.3	75.6	73.4	49.2	166.0	149.4	315.4	129.2	87.1	216.3	36.1	495.6
1989	28.9	34.7	63.6	73.9	3.2	77.1	76.1	64.6	143.7	170.0	313.7	131.4	65.4	196.8	86.8	423.7

Continued on opposite page.

TABLE 19:
CANADIAN MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS
(CONTINUED)
MILLION POUNDS & *PERCENT*

	MILL CONSUMPTION OF 4 FIBERS									DOMESTIC CONSUMPTION OF 3 FIBERS (CONS)=MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MANUFACTURED FIBER		COTTON		WOOL		SILK	TOTAL		MANUFACTURED FIBER			COTTON			WOOL			TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(17)		(18)		(19)		(20)	(21)		(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
1980	464.3	*76.7*	130.1	*21.5*	10.9	*1.8*	--	605.3	*100.0*	268.3	76.5	656.1	192.7	20.9	301.9	40.3	10.1	41.1	501.3	107.5	999.1
1981	387.9	*72.5*	132.3	*24.7*	15.0	*2.8*	--	535.2	*100.0*	255.7	74.5	569.1	179.2	19.4	292.1	49.8	8.2	56.6	484.7	102.1	917.8
1982	341.9	*77.4*	88.2	*20.0*	11.7	*2.6*	--	441.8	*100.0*	228.4	60.8	509.5	193.1	24.3	257.0	46.3	6.6	51.4	467.8	91.7	817.9
1983	424.3	*75.7*	121.3	*21.6*	14.7	*2.6*	--	560.3	*100.0*	303.4	64.2	663.5	181.7	23.8	279.2	59.5	7.5	66.7	544.6	95.5	1009.4
1984	444.1	*76.6*	121.3	*20.9*	14.4	*2.5*	--	579.8	*100.0*	342.6	71.9	714.8	198.0	23.4	295.9	72.7	7.5	79.6	613.3	102.8	1090.3
1985	472.9	*79.5*	105.8	*17.8*	16.1	*2.7*	--	594.8	*100.0*	356.7	62.6	767.0	169.1	23.4	251.5	73.9	9.7	80.3	599.7	95.7	1008.8
1986	548.8	*80.1*	119.0	*17.4*	17.6	*2.6*	--	685.4	*100.0*	394.2	71.2	871.8	246.7	35.5	330.2	77.5	13.2	81.9	718.4	119.9	1013.9
1987	551.2	*83.4*	94.8	*14.3*	15.3	*2.3*	--	661.3	*100.0*	414.2	92.8	872.6	304.0	38.8	360.0	75.4	12.6	78.1	793.6	144.2	1310.7
1988	544.8	*83.7*	91.7	*14.1*	14.0	*2.2*	--	650.5	*100.0*	DATA NOT AVAILABLE AT PUBLICATION TIME											
1989	488.3	*82.4*	90.2	*15.2*	14.2	*2.4*	--	592.7	*100.0*												

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

1 - 16: ***Fiber Organon,*** January 1991 and earlier editions.

18: **International Cotton Advisory Committee, *Cotton: World Statistics,*** Vol. 44, No. 1, October 1990. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton year ending July 31, 1989.

19: **Commonwealth Secretariat, *Wool Statistics,*** 1989 - 1990. Wool refers to virgin wool, clean basis, at the spinning stage.

22, 23, 25, 26, 28 & 29: **Food and Agriculture Organization of the United Nations,** Some data are preliminary.

CERTAIN TOTALS IN THE TABLES:

(Obvious totals such as columns 1+2=3, 4+5=6, etc. are not described here.)

8: Columns 3 + 6 - 7

16: Columns 11 + 14 - 15

17: Columns 8 + 16

24: Columns 17 + 22 - 23

27: Columns 18 + 25 - 26

30: Columns 19 + 28 - 30

TABLE 20:
CANADIAN MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON, & WOOL
MILLION POUNDS & *PERCENT*

YEAR	GRAND TOTAL		COTTON[b]		WOOL[c]		MANUFACTURED FIBER[a]		MANUFACTURED FIBER DETAIL			
									ARTIFICIAL (CELL.) TOTAL[d]		SYNTHETIC (NONCELL.) TOTAL[d]	
	LB	%	LB	%	LB	%	LB	%	LB	%	LB	%
1980	605.3	*100.0*	130.1	*21.5*	10.9	*1.8*	464.3	*76.7*	64.6	*10.7*	399.7	*66.0*
1981	535.2	*100.0*	132.3	*24.7*	15.0	*2.8*	387.9	*72.5*	58.3	*10.9*	329.6	*61.6*
1982	475.4	*100.0*	88.2	*18.5*	11.7	*2.5*	375.5	*79.0*	83.2	*17.5*	292.3	*61.5*
1983	560.3	*100.0*	121.3	*21.7*	14.7	*2.6*	424.3	*75.7*	60.0	*10.7*	364.3	*65.0*
1984	579.8	*100.0*	121.3	*20.9*	14.4	*2.5*	444.1	*76.6*	58.5	*10.1*	385.6	*66.5*
1985	594.8	*100.0*	105.8	*17.8*	16.1	*2.7*	472.9	*79.5*	52.9	*8.9*	420.0	*70.6*
1986	685.4	*100.0*	119.0	*17.3*	17.6	*2.6*	548.8	*80.1*	69.2	*10.1*	479.6	*70.0*
1987	661.3	*100.0*	94.8	*14.3*	15.3	*2.3*	551.2	*83.4*	50.9	*7.7*	500.3	*75.7*
1988	650.5	*100.0*	91.7	*14.0*	14.0	*2.2*	544.8	*83.8*	49.2	*7.6*	495.6	*76.2*
1989	592.7	*100.0*	90.2	*15.2*	14.2	*2.4*	488.3	*82.4*	64.6	*10.9*	423.7	*71.5*

a. Manufactured fiber data are from ***Fiber Organon,*** January 1991 and earlier editions.
The data show the manufactured net available supply, which approximates mill consumptions.

b. **Source: International Cotton Advisory Committee, *Cotton: World Statistics,*** Vol. 44, No. 1, October 1989 issue. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjectedito any other process. Data are for the cotton year ending July 31, 1988.

c. **Source: Commonwealth Secretariat, *Wool Statistics,*** 1989 - 1990. Wool refers to virgin wool, clean basis, at the spinning stage.

d. Including yarn, staple+tow and spun yarn.

TABLE 21:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	123	0	38										161	71
BRAZIL	109	164	28										301	132
CANADA	775	408	877										2060	1102
CHILE	44	22	44										110	375
WEST GERMANY	478	633	531										1642	1782
IRELAND	0	0	0										0	181
JAPAN	111	134	114										359	287
MEXICO	150	39	118										307	227
NETHERLANDS	263	188	279										730	856
UNITED KINGDOM	86	0	0										86	116
ALL OTHER COUNTRIES [a]	18	56	33										107	154
TOTAL ARTIFICIAL YARN	**2157**	**1644**	**2062**										**5863**	**5283**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1339	1371	1214										3924	920
CANADA	3228	2840	3042										9110	13218
FINLAND	309	197	371										877	143
WEST GERMANY	515	46	0										561	480
JAPAN	84	227	95										406	473
SPAIN	0	0	0										0	0
TAIWAN	1336	1268	1186										3790	2665
THAILAND	763	1317	232										2312	66
UNITED KINGDOM	815	438	473										1726	255
YUGOSLAVIA	584	29	2559										3172	0
ALL OTHER COUNTRIES [b]	544	206	251										1001	639
TOTAL ARTIFICIAL STAPLE+TOW	**9517**	**7939**	**9423**										**26879**	**18859**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	145	40	78										263	1487
BRAZIL	0	0	82										82	198
CANADA	2157	3524	2807										8488	10879
COSTA RICA	697	426	446										1569	1776
ECUADOR	0	34	34										68	136
FRANCE	275	434	444										1153	4377
WEST GERMANY	1471	1324	1761										4556	5597
IRELAND	107	175	0										282	39
ITALY	89	106	1										196	1919
JAPAN	504	341	836										1681	1923
KOREA, REP. OF	90	51	87										228	121
MEXICO	1403	1656	1332										4391	3900
NETHERLANDS	187	200	259										646	1329
PORTUGAL	0	0	0										0	345
SPAIN	0	0	0										0	194
TAIWAN	89	91	45										225	1132
THAILAND	61	67	65										193	246
UNITED KINGDOM	1674	1350	2471										5495	5449
ALL OTHER COUNTRIES [c]	99	246	113										458	425
TOTAL SYNTHETIC YARN	**9048**	**10065**	**10861**										**29974**	**41472**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	15	25	0										40	64
AUSTRALIA	75	143	0										218	188
BELGIUM	4	0	2										6	17
BRAZIL	0	110	199										309	27
CANADA	1378	1146	968										3492	9224
FRANCE	544	417	282										1243	1658
WEST GERMANY	1136	1400	1732										4268	3316
INDIA	3008	3879	264										7151	7001
IRELAND	0	0	0										0	26
ITALY	176	47	80										303	1274
JAPAN	2386	2197	2080										6663	5824
KOREA, REP. OF	4958	6473	6864										18295	4837
MEXICO	1957	1575	1576										5108	7646
SPAIN	14	22	0										36	35
SWITZERLAND	117	285	152										554	610
TAIWAN	3102	1918	1891										6911	2391
TURKEY	0	0	2										2	226
UNITED KINGDOM	1848	1395	963										4206	6951
ALL OTHER COUNTRIES [d]	133	182	27										342	1043
TOTAL SYNTHETIC STAPLE+TOW	**20851**	**21214**	**17082**										**59147**	**52358**

a. India 52, Belgium 28, France 15, Spain 7, Italy 3, Taiwan 2.

b. China, PRC 572, Sweden 261, Poland 149, USSR 18, Italy 1.

c. Israel 309, Colombia 32, Singapore 32, El Salvador 25, Sweden 19, Hong Kong 14, Switzerland 7, Denmark 5, Morocco 5, Australia 4, Austria 3, Greece 3.

d. Malaysia 95, Israel 81, Netherlands 59, Romania 57, Hong Kong 44, China, PRC 5, Denmark 1.

TABLE 22:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	311	129	212										652	690
TEXTURED	0	0	0										0	62
OTHER	1845	1514	1847										5206	4227
MONOFILAMENTS & STRIPS	1	1	3										5	304
SUBTOTAL ABOVE	**2157**	**1644**	**2062**										**5863**	**5283**
STAPLE	8891	7889	9419										26199	18027
TOW	626	50	4										680	829
TOPS	0	0	0										0	3
SUBTOTAL ABOVE	**9517**	**7939**	**9423**										**26879**	**18859**
WASTE	**87**	**129**	**0**										**216**	**0**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1173	2391	1704										5268	3728
TEXTURED														
UP TO 450 DENIER	198	350	232										780	856
OVER 450 DENIER	1197	1786	1557										4540	6418
POY	2103	1563	3032										6698	0
OTHER	81	72	96										249	12621
MONOFILAMENTS & STRIPS	150	72	131										353	481
SUBTOTAL ABOVE	**4902**	**6234**	**6752**										**17888**	**24104**
POLYESTER														
HIGH TENACITY	785	708	651										2144	1528
TEXTURED	833	810	561										2204	2054
POY	207	172	201										580	955
OTHER	1548	1439	2102										5089	4954
MONOFILAMENTS & STRIPS	41	31	30										102	120
SUBTOTAL ABOVE	**3414**	**3160**	**3545**										**10119**	**9611**
OTHER SYNTHETIC FILAMENT														
TEXTURED	0	0	0										0	5083
OTHER	200	101	190										491	801
MONOFILAMENTS & STRIPS	532	570	374										1476	1873
SUBTOTAL ABOVE	**732**	**671**	**564**										**1967**	**7757**
STAPLE														
NYLON	1879	1788	1576										5243	11140
POLYESTER	14049	15468	11687										41204	24696
ACRYLIC	853	804	971										2628	5503
POLYPROPYLENE	134	305	363										802	740
OTHER	276	229	400										905	706
TOW														
NYLON	591	386	240										1217	1272
POLYESTER	35	272	35										342	155
ACRYLIC	2869	1898	1768										6535	7134
OTHER	16	59	0										75	110
TOPS	149	5	42										196	902
SUBTOTAL ABOVE	**20851**	**21214**	**17082**										**59147**	**52358**
WASTE														
NYLON	2030	1483	1648										5161	6396
POLYESTER	2217	1032	774										4023	6826
OTHER	309	381	625										1315	2042
TOTAL MANUFACTURED FIBERS ABOVE	**46216**	**43887**	**42475**										**132578**	**133236**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	49	163	98										310	231
SPUN YARN	579	341	416										1336	1250
SPUN YARNS														
SYNTHETIC	431	843	746										2020	7235
ARTIFICIAL	0	0	0										0	0
PUT UP FOR RETAIL SALE	67	66	58										191	6
GRAND TOTAL ABOVE	**47342**	**45300**	**43793**										**136435**	**141958**

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 23:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	134	284	263										681	173
TEXTURED	65	44	41										150	256
OTHER	45	114	72										231	229
MONOFILAMENTS & STRIPS	2	8	42										52	112
SUBTOTAL ABOVE	**246**	**450**	**418**										**1114**	**770**
STAPLE	970	779	549										2298	5084
TOPS	0	15	3										18	536
SUBTOTAL ABOVE	**970**	**794**	**552**										**2316**	**5620**
WASTE	**527**	**666**	**2006**										**3199**	**1351**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	8070	7887	9547										25504	24446
TEXTURED														
UP TO 450 DENIER	1068	886	1636										3590	2785
OVER 450 DENIER	4023	4917	3298										12238	15214
POY	61	102	38										201	0
OTHER	3060	2769	3549										9378	8044
MONOFILAMENTS & STRIPS	34	57	6										97	133
SUBTOTAL ABOVE	**16316**	**16618**	**18074**										**51008**	**50622**
POLYESTER														
HIGH TENACITY	5640	5735	5488										16863	14933
TEXTURED	5014	4345	7042										16401	10173
POY	657	685	2216										3558	5486
OTHER	2391	1711	2362										6464	4867
MONOFILAMENTS & STRIPS	138	80	235										453	561
SUBTOTAL ABOVE	**13840**	**12556**	**17343**										**43739**	**36020**
OTHER SYNTHETIC FILAMENT														
TEXTURED	603	627	620										1850	1607
OTHER	1642	348	1115										3105	6321
MONOFILAMENTS & STRIPS	1050	859	1470										3379	3453
SUBTOTAL ABOVE	**3295**	**1834**	**3205**										**8334**	**11381**
STAPLE														
NYLON	2146	2453	1337										5936	8271
POLYESTER	6379	8388	10134										24901	23052
ACRYLIC	2431	1826	2976										7233	11644
POLYPROPYLENE	3302	1817	1957										7076	6265
OTHER	1489	1074	1811										4374	5115
TOW														
NYLON	253	150	187										590	452
POLYESTER	58	1	32										91	82
ACRYLIC	1511	1278	855										3644	4486
OTHER	14	1	402										417	53
TOPS	11009	5452	6387										22848	9022
SUBTOTAL ABOVE	**28592**	**22440**	**26078**										**77110**	**68442**
WASTE														
NYLON	2788	2965	3563										9316	12261
POLYESTER	2989	5530	5263										13782	8895
OTHER	6305	6811	7387										20503	12022
TOTAL MANUFACTURED FIBERS ABOVE	**75868**	**70664**	**83889**										**230421**	**207384**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	34	16	27										77	105
SPUN YARN	0	0	0										0	0
SPUN YARNS														
SYNTHETIC	784	1028	1237										3049	11060
ARTIFICIAL	29	64	59										152	0
PUT UP FOR RETAIL SALE	1459	1359	1480										4298	1326
GRAND TOTAL ABOVE	**78174**	**73131**	**86692**										**237997**	**219875**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 24:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1989 1ST Q	1989 2ND Q	1989 3RD Q	1989 4TH Q	1989 YEAR	1990 1ST Q	1990 2ND Q	1990 3RD Q	1990 4TH Q	1990 YEAR	1991 1ST Q	1991 2ND Q	1991 3RD Q	1991 4TH Q	1991 YEAR
						YARN+MONOFILAMENTS									
ARTIFICIAL (CELLULOSIC) YARN [d]															
PRODUCTION	52.7	55.8	56.7	52.3	217.5	46.8	52.3	53.6	53.5	206.2	48.0				
SHIPMENTS - DOMESTIC	46.0	50.3	45.6	45.4	187.3	40.1	43.3	45.3	44.0	172.7	38.7				
- EXPORT	6.8	7.9	8.4	8.6	31.7	7.8	9.1	8.7	8.4	34.0	8.7				
TOTAL SHIPMENTS	52.8	58.2	54.0	54.0	219.0	47.9	52.4	54.0	52.4	206.7	47.4				
ENDING STOCK	11.3	8.9	11.6	9.9		8.8	8.7	8.3	9.4		10.0				
IMPORTS	6.3	5.9	7.3	6.8	26.3	5.3	6.2	6.5	6.2	24.2	5.9				
TOTAL AVAILABLE	52.3	56.2	52.9	52.2	213.6	45.4	49.5	51.8	50.2	196.9	44.6				
NYLON															
PRODUCTION	436.9	447.5	434.8	440.0	1759.2	428.3	438.1	408.2	397.3	1671.9	383.9				
SHIPMENTS - DOMESTIC	387.9	399.7	400.9	386.8	1575.3	382.5	383.2	377.8	394.0	1537.5	327.1				
- EXPORT	42.7	38.9	34.8	40.4	156.8	37.9	38.4	43.0	39.5	158.8	37.4				
TOTAL SHIPMENTS	430.6	438.6	435.7	427.2	1732.1	420.4	421.6	420.8	433.5	1696.3	364.5				
ENDING STOCK	131.6	140.5	139.6	152.4		160.3	176.8	164.2	128.0		147.4				
OLEFIN [a]															
PRODUCTION	313.8	324.6	310.4	308.4	1257.2	339.7	366.7	359.5	350.7	1416.6	321.9				
SHIPMENTS - DOMESTIC	308.0	315.5	301.6	300.9	1226.0	335.8	365.4	356.5	347.2	1404.9	312.0				
- EXPORT	5.2	6.4	7.2	3.7	22.5	4.6	5.5	5.6	5.7	21.4	5.2				
TOTAL SHIPMENTS	313.2	321.9	308.8	304.6	1248.5	340.4	370.9	362.1	352.9	1426.3	317.2				
ENDING STOCK	58.0	60.7	62.3	66.1		65.4	61.2	58.6	56.4		61.1				
POLYESTER															
PRODUCTION	314.4	325.3	306.4	262.9	1209.0	262.1	280.0	267.7	295.4	1105.2	288.2				
SHIPMENTS - DOMESTIC	292.0	303.6	264.1	251.0	1110.7	241.7	271.9	259.9	272.7	1046.2	249.1				
- EXPORT	16.0	13.1	13.3	16.2	58.6	16.7	20.9	19.2	28.1	84.9	23.2				
TOTAL SHIPMENTS	308.0	316.7	277.4	267.2	1169.3	258.4	292.8	279.1	300.8	1131.1	272.3				
ENDING STOCK	112.4	121.0	150.0	145.7		149.4	136.6	125.2	119.8		135.7				
TOTAL SYNTHETIC (NONCELLULOSIC) ABOVE															
PRODUCTION	1065.1	1097.4	1051.6	1011.3	4225.4	1030.1	1084.8	1035.4	1043.4	4193.7	994.0				
SHIPMENTS - DOMESTIC	987.9	1018.8	966.6	938.7	3912.0	960.0	1020.5	994.2	1013.9	3988.6	888.2				
- EXPORT	63.9	58.4	55.3	60.3	237.9	59.2	64.8	67.8	73.3	265.1	65.8				
SHIPMENTS	1051.8	1077.2	1021.9	999.0	4149.9	1019.2	1085.3	1062.0	1087.2	4253.7	954.0				
ENDING STOCK	302.0	322.2	351.9	364.2		375.1	374.6	348.0	304.2		344.2				
DOMESTIC SHIPMENTS	987.9	1018.8	966.6	938.7	3912.0	960.0	1020.5	994.2	1013.9	3988.6	888.2				
IMPORTS -TEXTURED YARN [b]	14.4	14.7	15.0	11.8	55.9	14.4	19.8	18.9	9.9	63.0	7.5				
- OTHER YARN [b]	23.3	33.0	32.5	28.6	117.4	24.6	20.2	18.4	19.8	83.0	20.6				
- MONOFILAMENTS	1.2	1.6	4.0	2.1	8.9	2.5	2.3	2.0	1.9	8.7	1.9				
TOTAL IMPORTS	38.9	49.3	51.5	42.5	182.2	41.5	42.3	39.3	31.6	154.7	30.0				
TOTAL AVAILABLE	1026.8	1068.1	1018.1	981.2	4094.2	1001.5	1062.8	1033.5	1045.5	4143.3	918.2				
						GLASS FIBER									
TOTAL SHIPMENTS	394.2	399.3	363.4	373.2	1530.1	374.5	414.6	388.3	341.7	1519.1	311.0				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are general imports, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.
b. Includes singles and plied.
c. For Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon.***
d. Includes both rayon & acetate yarn.
e. For Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon.***

TABLE 24:
QUARTERLY MANUFACTURED FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1989 1ST Q	1989 2ND Q	1989 3RD Q	1989 4TH Q	1989 YEAR	1990 1ST Q	1990 2ND Q	1990 3RD Q	1990 4TH Q	1990 YEAR	1991 1ST Q	1991 2ND Q	1991 3RD Q	1991 4TH Q	1991 YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	**100.8**	**101.2**	**83.2**	**77.6**	**362.8**	**73.3**	**72.0**	**74.2**	**79.6**	**299.1**	**67.4**				
SHIPMENTS -DOMESTIC	99.7	91.7	76.6	70.2	338.2	77.6	71.6	72.3	70.2	291.7	57.2				
-EXPORT	3.4	5.4	4.3	3.1	16.2	4.1	4.3	2.8	1.3	12.5	1.5				
TOTAL SHIPMENTS	**103.1**	**97.1**	**80.9**	**73.3**	**354.4**	**81.7**	**75.9**	**75.1**	**71.5**	**304.2**	**58.7**				
ENDING STOCK	**11.7**	**15.8**	**18.1**	**22.4**		**14.0**	**10.1**	**9.2**	**17.3**		**26.0**				
DOMESTIC SHIPMENTS	99.7	91.7	76.6	70.2	338.2	77.6	71.6	72.3	70.2	291.7	57.2				
IMPORTS FOR CONSUMPTION STAPLE GROUPED FILAMENTS	15.1	13.3	12.4	13.2	54.0	18.9	23.9	35.4	33.4	111.6	26.9				
TOTAL IMPORTS	15.1	13.3	12.4	13.2	54.0	18.9	23.9	35.4	33.4	111.6	26.9				
TOTAL AVAILABLE	**114.8**	**105.0**	**89.0**	**83.4**	**392.2**	**96.5**	**95.5**	**107.7**	**103.6**	**403.3**	**84.1**				
NYLON															
PRODUCTION	**252.9**	**242.0**	**241.0**	**244.8**	**980.7**	**237.6**	**273.0**	**242.8**	**236.8**	**989.6**	**200.6**				
SHIPMENTS -DOMESTIC	242.0	231.2	245.8	236.3	955.3	242.6	243.1	235.7	228.8	950.2	179.1				
-EXPORT	7.5	4.8	5.4	5.5	23.2	7.1	6.5	6.1	4.8	24.5	6.5				
TOTAL SHIPMENTS	**249.5**	**236.0**	**251.2**	**241.8**	**978.5**	**249.7**	**249.6**	**241.8**	**233.6**	**974.7**	**185.6**				
ENDING STOCK	**51.0**	**57.0**	**46.8**	**49.8**		**37.1**	**60.5**	**61.5**	**64.7**		**79.7**				
IMPORTS	6.4	5.4	5.4	8.9	26.1	12.4	9.9	9.9	8.9	41.1	6.5				
TOTAL AVAILABLE	**248.4**	**236.6**	**251.2**	**245.2**	**981.4**	**255.0**	**253.0**	**245.6**	**237.7**	**991.3**	**185.6**				
ACRYLIC+MODACRYLIC															
PRODUCTION	**144.3**	**145.6**	**129.4**	**123.4**	**542.7**	**129.6**	**136.9**	**129.0**	**110.3**	**505.8**	**103.0**				
SHIPMENTS -DOMESTIC	112.9	112.4	102.8	86.7	414.8	98.8	94.0	84.0	75.4	352.2	76.1				
-EXPORT	23.6	32.5	30.0	36.5	122.6	24.5	32.5	42.2	49.2	148.4	30.7				
TOTAL SHIPMENTS	**136.5**	**144.9**	**132.8**	**123.2**	**537.4**	**123.3**	**126.5**	**126.2**	**124.6**	**500.6**	**106.8**				
ENDING STOCK	**69.0**	**69.7**	**66.3**	**66.5**		**72.8**	**83.2**	**86.0**	**71.7**		**67.9**				
IMPORTS	9.4	11.1	8.5	8.5	37.5	12.6	9.6	6.8	8.8	37.8	9.2				
TOTAL AVAILABLE	**122.3**	**123.5**	**111.3**	**95.2**	**452.3**	**111.4**	**103.6**	**90.8**	**84.2**	**390.0**	**85.3**				
OLEFIN															
PRODUCTION	**97.1**	**97.7**	**92.0**	**94.8**	**381.6**	**96.9**	**105.3**	**102.8**	**100.5**	**405.5**	**102.2**				
SHIPMENTS -DOMESTIC	91.6	93.5	91.4	86.9	363.4	94.0	102.0	96.8	95.1	387.9	97.1				
-EXPORT	3.1	3.7	3.4	3.8	14.0	6.0	6.2	6.3	4.2	22.7	3.1				
TOTAL SHIPMENTS	**94.7**	**97.2**	**94.8**	**90.7**	**377.4**	**100.0**	**108.2**	**103.1**	**99.3**	**410.6**	**100.2**				
ENDING STOCK	**32.8**	**33.3**	**30.5**	**34.6**		**31.5**	**28.6**	**28.3**	**29.5**		**31.5**				
POLYESTER															
PRODUCTION	**609.4**	**648.8**	**591.0**	**536.1**	**2385.3**	**520.9**	**545.5**	**487.9**	**535.6**	**2089.9**	**505.2**				
SHIPMENTS -DOMESTIC	575.4	594.6	543.0	548.3	2261.3	502.6	510.8	494.3	507.7	2015.4	467.9				
-EXPORT	34.9	21.7	20.1	16.8	93.5	15.3	15.2	19.0	33.8	83.3	26.4				
TOTAL SHIPMENTS	**610.3**	**616.3**	**563.1**	**565.1**	**2354.8**	**517.9**	**526.0**	**513.3**	**541.5**	**2098.7**	**494.3**				
ENDING STOCK	**158.5**	**191.0**	**218.9**	**189.9**		**192.9**	**212.4**	**187.0**	**181.1**		**192.0**				
IMPORTS	21.5	29.9	34.5	32.7	118.6	24.9	30.3	30.2	37.8	123.2	41.5				
TOTAL AVAILABLE	**596.9**	**624.5**	**577.5**	**581.0**	**2379.9**	**527.5**	**541.1**	**524.5**	**545.5**	**2138.6**	**509.4**				
TOTAL SYNTHETIC (NONCELLULOSIC)															
PRODUCTION	**1103.7**	**1134.1**	**1053.4**	**999.1**	**4290.3**	**984.4**	**1060.7**	**962.5**	**983.2**	**3990.8**	**911.0**				
SHIPMENTS -DOMESTIC	1021.9	1031.7	983.0	958.2	3994.8	938.0	949.9	910.8	907.0	3705.7	820.2				
-EXPORT	69.1	62.7	58.9	62.6	253.3	52.9	60.4	73.6	92.0	278.9	66.7				
TOTAL SHIPMENTS	**1091.0**	**1094.4**	**1041.9**	**1020.8**	**4248.1**	**990.9**	**1010.3**	**984.4**	**999.0**	**3984.6**	**886.9**				
ENDING STOCK	**311.3**	**351.0**	**362.5**	**340.8**		**334.3**	**384.7**	**362.8**	**347.0**		**371.1**				
DOMESTIC SHIPMENTS	1021.9	1031.7	983.0	958.2	3994.8	938.0	949.9	910.8	907.0	3705.7	820.2				
IMPORTS FOR CONSUMPTION 3 FIBERS ABOVE [C]	37.3	46.4	48.4	50.1	182.2	49.9	49.8	46.9	55.5	202.1	57.2				
OTHER N.C. STAPLE [D] GROUPED FILAMENTS	3.7	2.8	1.7	2.0	10.2	2.5	1.7	1.7	1.8	7.7	2.0				
TOTAL IMPORTS	41.0	49.2	50.1	52.1	192.4	52.4	51.5	48.6	57.3	209.8	59.2				
TOTAL AVAILABLE	**1062.9**	**1080.9**	**1033.1**	**1010.3**	**4187.2**	**990.4**	**1001.4**	**959.4**	**964.3**	**3915.5**	**879.4**				

See footnotes on opposite page.

TABLE 25:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1991	1990
	MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]													
ARTIFICIAL (CELLULOSIC)														
YARN	14.8	16.4	16.2	20.3									67.7	66.0
RAYON STAPLE	20.4	16.2	22.1	21.4									80.1	109.9
TOTAL ARTIFICIAL (CELLULOSIC)	35.2	32.6	38.3	41.7									147.8	175.9
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	29.2	28.1	26.5	27.9									111.7	112.0
- CARPET	69.4	54.5	63.8	80.3									268.0	335.4
- TEXTILE	34.2	30.0	28.8	32.8									125.8	119.0
POLYESTER - INDUSTRIAL[d]	25.0	27.0	26.5	29.1									107.6	120.5
- TEXTILE[f]	67.9	61.5	64.4	75.9									269.7	240.6
OLEFIN[e]	103.4	104.4	109.4	115.7									432.9	464.6
TOTAL YARN	329.1	305.5	319.4	361.7									1315.7	1392.1
STAPLE+TOW+FIBERFILL														
NYLON	66.8	54.7	64.1	78.1									263.7	334.7
ACRYLIC+MODACRYLIC	36.5	34.8	35.5	34.2									141.0	163.0
POLYESTER	168.6	159.6	166.1	191.7									686.0	700.1
OLEFIN	34.7	30.9	34.6	37.6									137.8	135.1
TOTAL STAPLE	306.6	280.0	300.3	341.6									1228.5	1332.9
TOTAL SYNTHETIC (NONCELLULOSIC)	635.7	585.5	619.7	703.3									2544.2	2725.0
TOTAL MANUFACTURED FIBER	670.9	618.1	658.0	745.0									2692.0	2900.9
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	10.2	9.6	10.0	9.6									9.6	9.1
RAYON STAPLE	22.4	27.3	26.0	26.6									26.6	14.2
TOTAL ARTIFICIAL (CELLULOSIC)	32.6	36.9	36.0	36.2									36.2	23.3
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.0	23.9	24.7	26.9									26.9	36.0
- CARPET	72.0	80.6	77.6	66.3									66.3	63.2
- TEXTILE[f]	46.2	46.2	45.1	46.1									46.1	63.5
POLYESTER - INDUSTRIAL[d]	40.1	43.0	41.8	44.6									44.6	39.2
- TEXTILE[f]	86.4	93.4	93.9	90.5									90.5	106.4
OLEFIN[e]	61.5	59.7	61.1	59.1									59.1	63.3
TOTAL YARN	331.2	346.8	344.2	333.5									333.5	371.6
STAPLE+TOW+FIBERFILL														
NYLON	71.0	81.6	79.7	68.2									68.2	44.3
ACRYLIC+MODACRYLIC	73.4	72.4	67.9	72.1									72.1	75.3
POLYESTER	192.7	189.5	192.0	185.8									185.8	217.4
OLEFIN	29.8	30.0	31.5	32.8									32.8	29.8
TOTAL STAPLE	366.9	373.5	371.1	358.9									358.9	366.8
TOTAL SYNTHETIC (NONCELLULOSIC)	698.1	720.3	715.3	692.4									692.4	738.4
TOTAL MANUFACTURED FIBER	730.7	757.2	751.3	728.6									728.6	761.7

	COTTON & WOOL CONSUMPTION[g] 1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	
RAW COTTON					
APPAREL CLASS WOOL					
CARPET CLASS WOOL					
TOTAL RAW WOOL					

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.
g. **Cotton and Wool data for 1991 available on a quarterly basis only.**

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- Nylon
- Polyester
- Acrylic+Modacrylic
- Olefin

With Additional Data for:

- Glass Fiber
- Olefin Yarn, Monofilament & Film Fiber
- Civil Engineering Fabric

Comprehensive Yarn-And-Monofilament, Staple-And-Tow Data:

Monthly

- Production
- Domestic Shipments
- Exports
- Inventories
- Industrial Yarn
- Carpet Yarn
- Textile Yarn
- Flat Yarn
- Feed & Producer Textured Yarn
- Shipments by Denier
- Indirect Exports

Quarterly

- Production
- Domestic Shipments
- Imports
- Exports
- Shipments by Denier
- Inventories
- Primary End Use
- Secondary End Use
- Waste Shipments
- Civil Engineering Fabric Shipments

Semiannually & Annually

- Capacities
- Primary End Use Summaries
- Secondary End Use Summaries
- Waste Shipment Summaries
- Imports
- Exports
- Glass Fiber Shipments by State

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